

## ARG59655 anti-HDGF antibody

Package: 50 µg  
Store at: -20°C

### Summary

|                     |                                                                                                         |
|---------------------|---------------------------------------------------------------------------------------------------------|
| Product Description | Rabbit Polyclonal antibody recognizes HDGF                                                              |
| Tested Reactivity   | Hu, Ms, Rat                                                                                             |
| Tested Application  | FACS, ICC/IF, IHC-P, WB                                                                                 |
| Host                | Rabbit                                                                                                  |
| Clonality           | Polyclonal                                                                                              |
| Isotype             | IgG                                                                                                     |
| Target Name         | HDGF                                                                                                    |
| Species             | Human                                                                                                   |
| Immunogen           | Synthetic peptide corresponding to aa. 61-97 of Human HDGF.<br>(KDLFPYEEESKEKFGKPNKRKGFSEGLWEIENNPTVKA) |
| Conjugation         | Un-conjugated                                                                                           |
| Alternate Names     | HMG1L2; HMG-1L2; HDGF; High mobility group protein 1-like 2; Hepatoma-derived growth factor             |

### Application Instructions

| Application table | Application | Dilution        |
|-------------------|-------------|-----------------|
|                   | FACS        | 1:150 - 1:500   |
|                   | ICC/IF      | 1:200 - 1:1000  |
|                   | IHC-P       | 0.5 - 1 µg/ml   |
|                   | WB          | 0.1 - 0.5 µg/ml |

**Application Note** IHC-P: Antigen Retrieval: By heat mediation.  
\* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

|                     |                                                                                                                                                                                                                                                                                                                |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form                | Liquid                                                                                                                                                                                                                                                                                                         |
| Purification        | Affinity purification with immunogen.                                                                                                                                                                                                                                                                          |
| Buffer              | 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.05% Sodium azide and 5% BSA.                                                                                                                                                                                                                              |
| Preservative        | 0.05% Sodium azide                                                                                                                                                                                                                                                                                             |
| Stabilizer          | 5% BSA                                                                                                                                                                                                                                                                                                         |
| Concentration       | 0.5 mg/ml                                                                                                                                                                                                                                                                                                      |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed |

before use.

Note For laboratory research only, not for drug, diagnostic or other use.

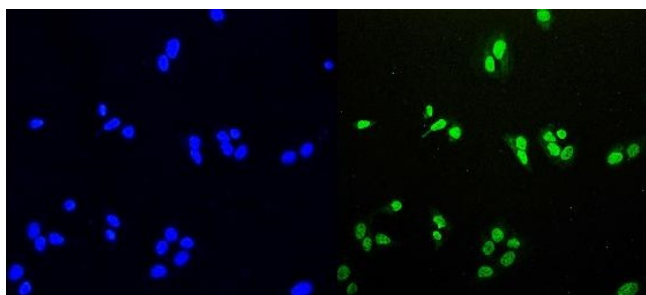
## Bioinformation

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|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Symbol           | HDGF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Gene Full Name        | hepatoma-derived growth factor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Background            | HDGF is a member of the hepatoma-derived growth factor family. The encoded protein has mitogenic and DNA-binding activity and may play a role in cellular proliferation and differentiation. High levels of expression of this gene enhance the growth of many tumors. This gene was thought initially to be located on chromosome X; however, that location has been determined to correspond to a related pseudogene. Alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq, Jan 2016] |
| Function              | HDGF Isoform 1: Acts as a transcriptional repressor (PubMed:17974029). Has mitogenic activity for fibroblasts (PubMed:11751870, PubMed:26845719). Heparin-binding protein (PubMed:15491618).<br><br>Isoform 2: Does not have mitogenic activity for fibroblasts (PubMed:26845719). Does not bind heparin (PubMed:26845719).<br><br>Isoform 3: Has mitogenic activity for fibroblasts (PubMed:26845719). Heparin-binding protein (PubMed:26845719). [UniProt]                                                                                     |
| Highlight             | Related products:<br><a href="#">HDGF antibodies</a> ; <a href="#">HDGF ELISA Kits</a> ; <a href="#">Anti-Rabbit IgG secondary antibodies</a> ;<br>Related news:<br><a href="#">The role of HDGF in tumor angiogenesis</a>                                                                                                                                                                                                                                                                                                                       |
| Calculated Mw         | 27 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| PTM                   | Sumoylated with SUMO1. Sumoylation prevents binding to chromatin. [UniProt]                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Cellular Localization | Cytoplasm. Nucleus. [UniProt]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

## Images

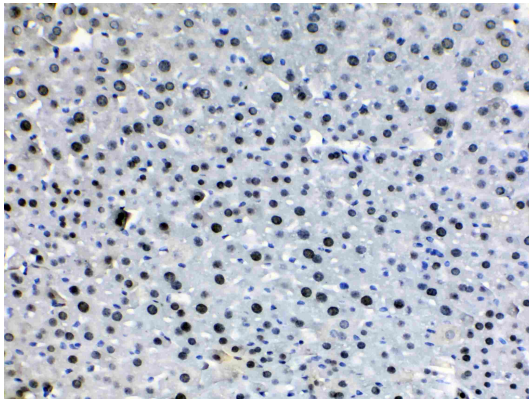
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ARG59655 anti-HDGF antibody ICC/IF image

Immunofluorescence: U2OS cells were blocked with 10% goat serum and then stained with ARG59655 anti-HDGF antibody (green) at 2 µg/ml dilution, overnight at 4°C. DAPI (blue) for nuclear staining.

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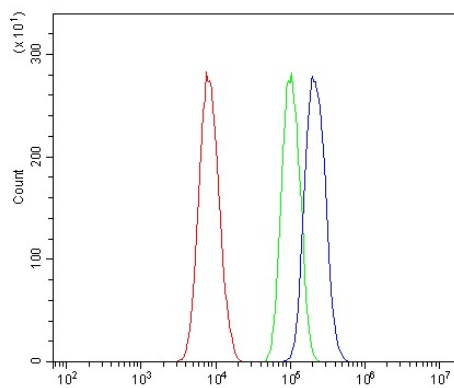
#### ARG59655 anti-HDGF antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse liver stained with ARG59655 anti-HDGF antibody at 1 µg/ml dilution.



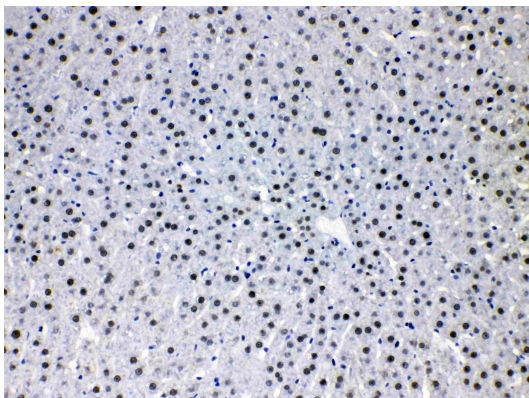
#### ARG59655 anti-HDGF antibody WB image

Western blot: Rat liver and 22RV1 whole cell lysates stained with ARG59655 anti-HDGF antibody at 0.5 µg/ml dilution.



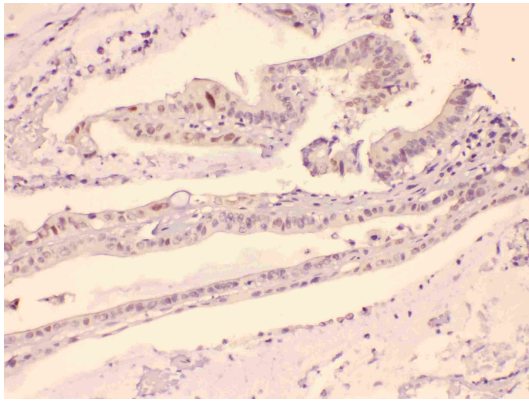
#### ARG59655 anti-HDGF antibody FACS image

Flow Cytometry: A431 cells were blocked with 10% normal goat serum and then stained with ARG59655 anti-HDGF antibody (blue) at 1 µg/10<sup>6</sup> cells for 30 min at 20°C, followed by incubation with DyLight<sup>®</sup>488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG (1 µg/10<sup>6</sup> cells) used under the same conditions. Unlabelled sample (red) was also used as a control.



#### ARG59655 anti-HDGF antibody IHC-P image

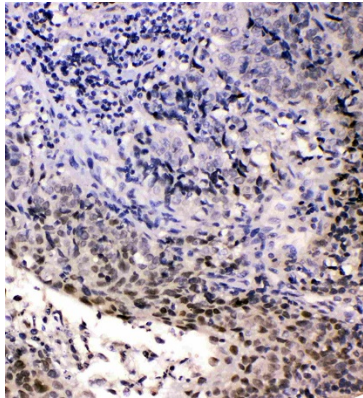
Immunohistochemistry: Paraffin-embedded Rat liver stained with ARG59655 anti-HDGF antibody at 1 µg/ml dilution.



ARG59655 anti-HDGF antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human intestinal cancer stained with ARG59655 anti-HDGF antibody at 1  $\mu\text{g}/\text{ml}$  dilution.

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ARG59655 anti-HDGF antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human lung cancer stained with ARG59655 anti-HDGF antibody at 1  $\mu\text{g}/\text{ml}$  dilution.

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